

CLAIMS

1. A fuel feed device of a gas engine which is a non-supercharged type engine and feeds air and a fuel to an intake port without mixing with a mixer:

5 wherein the fuel gas is fed into the intake port by using negative pressure generated in the intake port during an intake stroke.

2. A fuel feed device of a gas engine according to claim 1 including:

10 a detection means for detecting engine rotational frequency,

 a judgment means for judging whether the engine rotational frequency detected by said detection means is maintained within a fixed range which is predetermined,

15 an adjustment means for adjusting a feed period of said fuel gas per 1 cycle so that the engine rotational frequency converges within the fixed range.

3. A fuel feed device of a gas engine according to claim 1 or 2 including:

20 a regulator and a valve which are prepared in a fuel gas feed passage sequentially from the upstream,

 a switching means for making a pressure balance line of said regulator selectively communicate with an inside of the intake port or atmospheric air,

25 said pressure balance line at the time of starting

communicates with the inside of the intake port by said switching means.